

Kawneer

SALES-BUILDING
STORE-FRONTS



THE KAWNEER COMPANY • 807 FRONT ST. • NILES, MICHIGAN

NEW KAWNEER K-47 LINE

In the new K-47 line of store-front mouldings and trim, Kawneer has created a new medium with challenging possibilities for the architect and builder in designing store-fronts of distinction. Styled to complement contemporary store designs, it increases the power of the store-front as a sales-builder.

The Kawneer K-47 line is the result of the coordinated research of outstanding architects, leading builders, successful merchants and Kawneer engineers and designers. It takes full advantage of Kawneer's 40 years of specialization in the store-front field.

A dominant characteristic of the K-47 line which is of particular interest to architects is the flexibility which has been designed into it. The basic designs of which it is composed have been grouped and identified as styles. They offer a range in design sufficiently wide to meet all modern store-front requirements. The elements in a number of styles, however, are interchangeable and provide the necessary variety of effects for unhampered creative designing and individuality. The new and distinctive bulkhead and awning members keynote the store-front assembly in combination with the mouldings and trim of the various styles.

EASE OF INSTALLATION

The installation of these new store-front members has been carefully studied and tested on actual jobs in order to achieve simplification and durability with the least possible effort and skill. The development of unit assemblies such as bulkheads and awning boxes appreciably reduces the work of mounting these major items. It greatly simplifies door framing by using the new door posts and head sections, as they eliminate the composite assembly of brake shapes on a wood core which is inferior from both structural and architectural standpoints. These door posts are also constructed so as to permit adjoining plate glass to be set at any angle. All corner and division bars are composed of complete face and back assemblies that are easily assembled by screws inserted through guide tubes in the back assembly. Styles J and K combine the jamb covering and sash gutter into a single member to simplify installation. These two styles also employ a new transom bar that can also be used as a division bar.

MATERIAL

The entire K-47 line is fabricated of aluminum except for a few steel skeletal members such as stiffener bars, brackets, and lugs. Resilient roll formed and extruded

Contours are simplified with flowing lines, substantially proportioned to add character and distinction to any type of front. Styles of custom design are now for the first time incorporated in a line of stock store-front mouldings and trim. They combine the finest in styling with the advantages of economy and immediate availability.

Typical of the outstanding innovations in the K-47 line is flush glazing. Through its use, contemporary designing can now be given its fullest expression in full-open fronts as flush glazing minimizes the barrier effect of show windows. There are no projecting glazing members to indicate the glass line.

Savings in both time and expense to the architect result from the improved construction and streamlining of the K-47 line as it eliminates the need of detailing many special sections. Any of the K-47 styles can be specified by their respective identifying letters. Bulkhead and awning members are specified by numbers.

Kawneer full-vision doors used with the K-47 line of mouldings and trim make the store entrance an impelling invitation to enter. Doors are now stocked in popular standard sizes and have all-metal door posts and head sections, which eliminate conventional bulky assemblies.

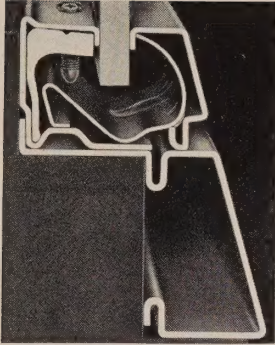
aluminum members are used separately and in combination. The alloys used were selected after extensive technical research and are employed to insure strength, durability, and better finish.

CONSTRUCTION

The Kawneer principle of resilient roll formed construction is used extensively in the K-47 line. It holds the glass with a "live-grip" to produce the resiliency that is indispensable in counteracting the stresses imposed upon the glass by high winds, vibration, warpage of framing, and possible settling of the building. Sections are heavier as gauges were selected in accordance with the structural requirements for the individual members, whether roll formed or extruded. The division bars and universal angle corner bars also employ the resilient roll formed principle to obtain the strength and resiliency required for supporting the glass and allowing it to flex.

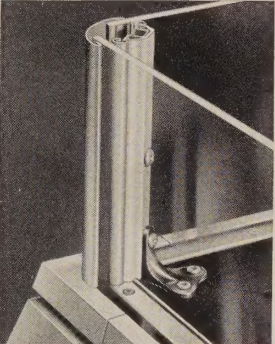
FINISHES

The standard finish is polished alumilite, an electrolytic finishing process that produces an attractive and durable finish. Special finishes can be furnished when required.



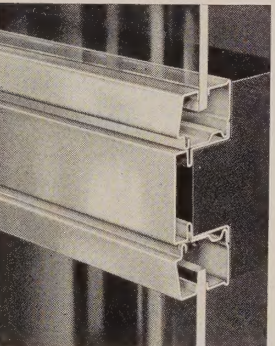
SASH FACE LUG

The vital point in the setting of plate glass is the manner in which it is held. The Kawneer principle of resilient roll formed construction now employs a new design of stainless steel sash face lug which, through its spring action, maintains a firm "live grip" on the glass. This minimizes glass breakage by counteracting vibration and allowing the glass to flex when under pressure.



CORNER BARS

Corner bars and reverse corner bars can be used for setting glass at any angle within a range of 70 degrees. This is done without altering the bars and simplifies their use. Their Kawneer resilient roll formed construction makes them better able to hold glass flexibly and securely, thereby reducing breakage. Four types of stiffener bars for various glass heights are available.

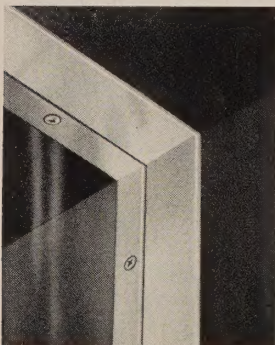


TRANSOM BARS

Designed to blend with all styles of the new jamb coverings, these new transom bars can be expanded in 2" multiples to create any desired effect. As no caps are used between these transom bars and the jambs, they can be installed without complicated cutting and fitting. Positive weathering is accomplished by the use of a light gauge aluminum member which prevents water leakage.

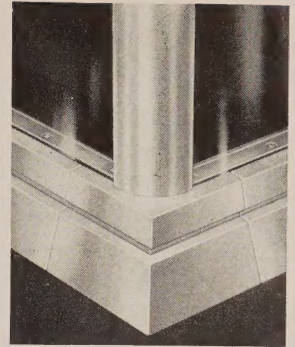
FLUSH GLAZING

Flush glazing, another Kawneer innovation, is the answer to modern glass setting as the window disappears into the walls and ceiling since conventional jamb covering and glass setting members are eliminated. A single, flush mounting member provides a well engineered method of securing the glass and makes it inconspicuous.



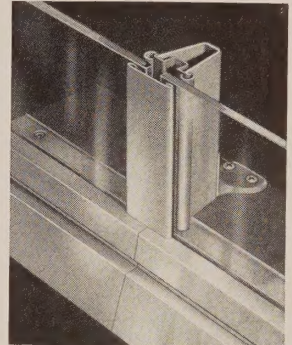
CORNER SECTIONS

The K-47 line features another innovation in flush-type corner sections that eliminate the use of corner caps. Their sleeve joints and concealed fastenings permit expansion and contraction of the glazing mouldings without damage. No longer is it necessary to use conventional caps that catch dirt, work loose, become lost, and mar appearances.



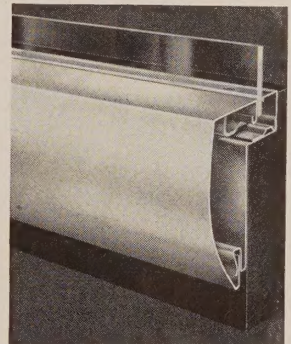
DIVISION BARS

Where wide fronts require the use of more than one piece of plate glass, the new division bars can be used effectively as their narrowness and design present a pleasing appearance. They utilize the resilient roll formed construction. The four types of stiffener bars are provided for use with various heights of glass, up to a maximum of 144". Note use of splice sleeves in sash and sill.



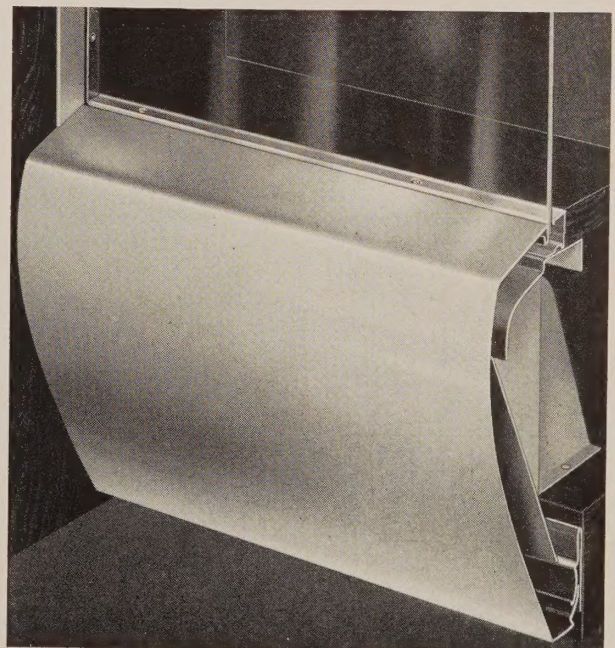
LOW BULKHEADS

The advent of the modern "open front" has made low bulkheads a very important part of store-front construction. Three attractive styles have been created that can be used on any store-front of K-47 line construction. These bulkheads are of the unit type construction which eliminates the need of building them up on the job and they can be applied to any building construction.

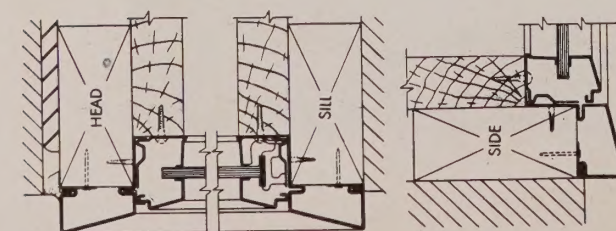
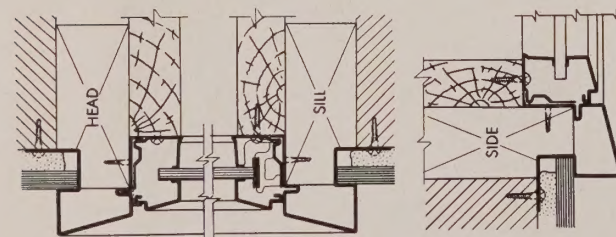
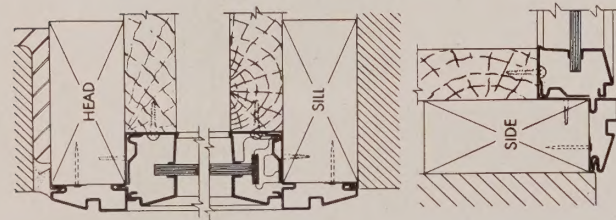
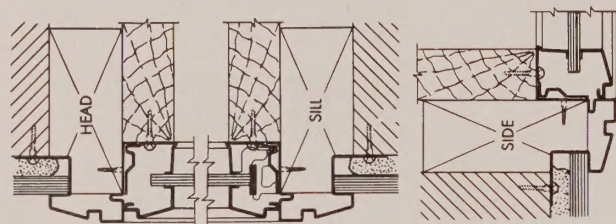
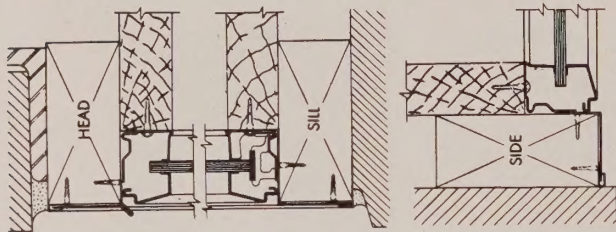
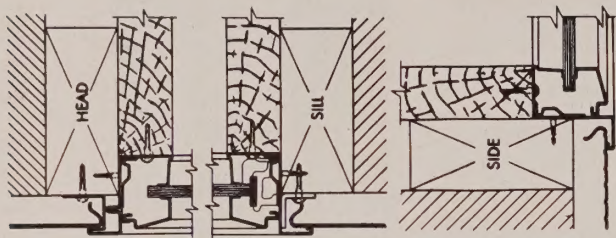


UNIT BULKHEADS

Simplification of bulkhead construction and installation is achieved in the K-47 line unit bulkheads. designed for application to any building construction, they are obtainable completely assembled from the factory or can be cut from stock lengths in the field. Two of the styles are available with spacing members which permit building up bulkheads of any height. Rigidity in convex faces is provided by stiffeners that are integral with the mounting brackets. Metal structural members are available where fireproof construction is desired. All of these bulkheads are designed for use with any style in the K-47 line.



KAWNEER K-47 LINE



STYLE 'F'

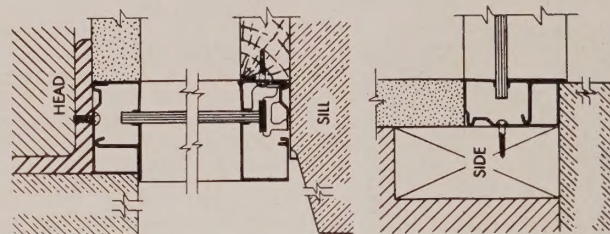
The custom styling that makes the Kawneer K-47 line truly idealistic for contemporary architectural designing is evident in the accompanying illustrations. The use of the eleven styles makes it possible to accomplish an unlimited variety of architectural effects.

Reliable roll formed construction is employed in Styles A through F. Styles G, H and I are extruded with a resilient sash gasket. Styles J and K are extruded. The K-47 glazing moldings and trim can be used with any building facing material.

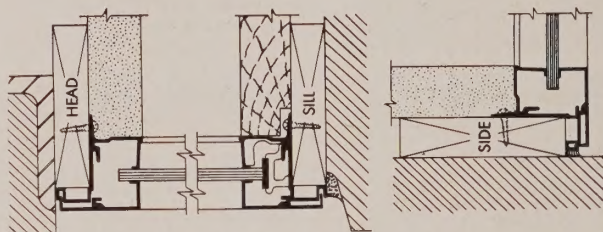
The K-47 styles are shown in detail on the following pages:

Style A and B	Page 5
Style C and D	Page 6
Style E and F	Page 7
Style G	Page 8
Style H	Page 9
Style I	Page 10
Style J	Page 11
Style K	Page 12
Style L	Page 13
Awning, Hood Type	Page 14
and Recessed	Page 15
Bulkheads	Page 16
Mouldings, Awnings,	Page 17 & 18
Doors	Page 19
Standard Line	Page 19

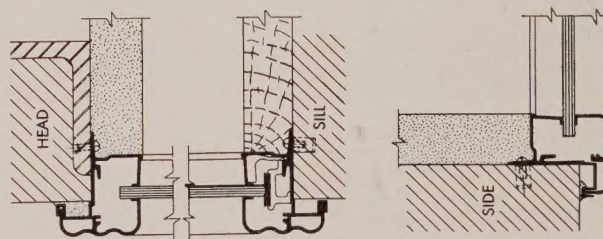
STYLE 'E'



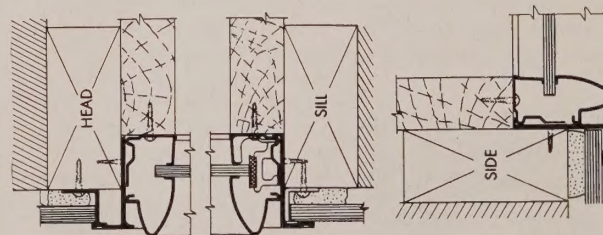
STYLE 'D'



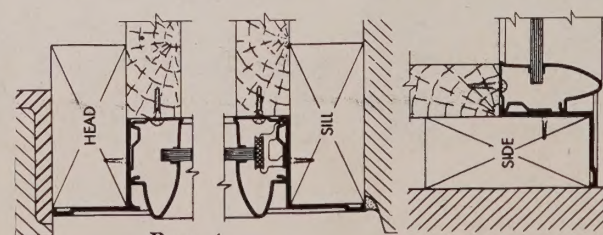
STYLE 'C'



STYLE 'B'



STYLE 'A'



Kawneer
HUBLETT BROS.

THE KAWNEER COMPANY, MILWAUKEE, WISCONSIN

STYLES

STYLE 'L'

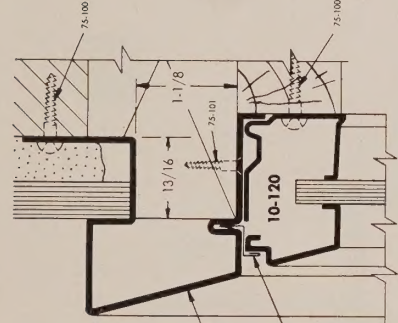
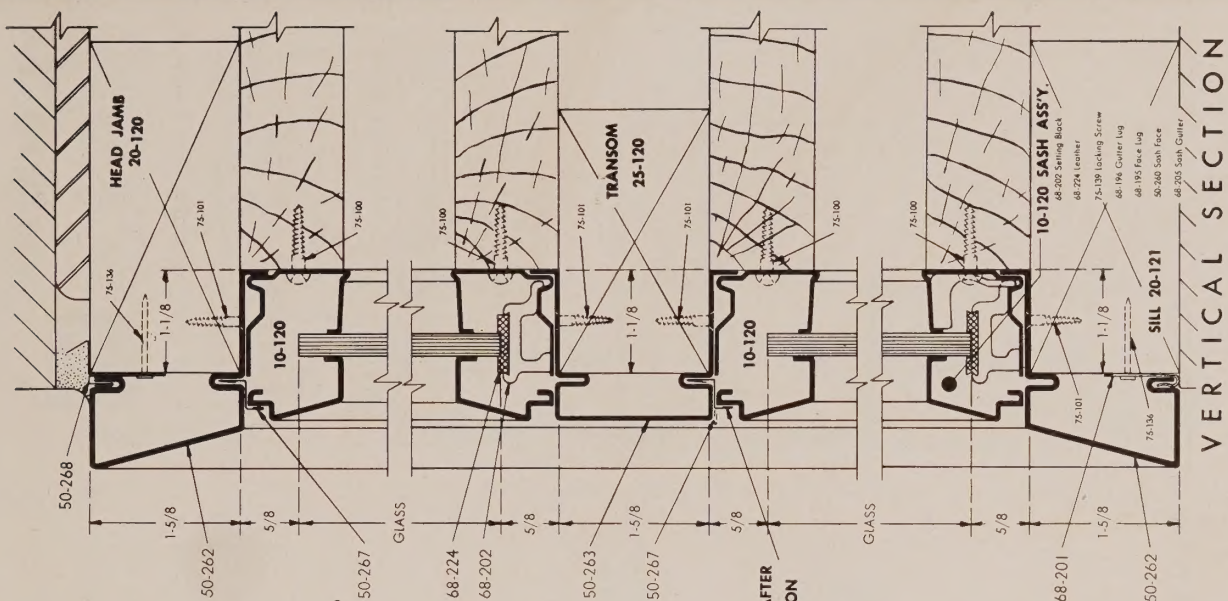
STYLE 'K'

STYLE 'J'

STYLE 'H'

STYLE 'G'

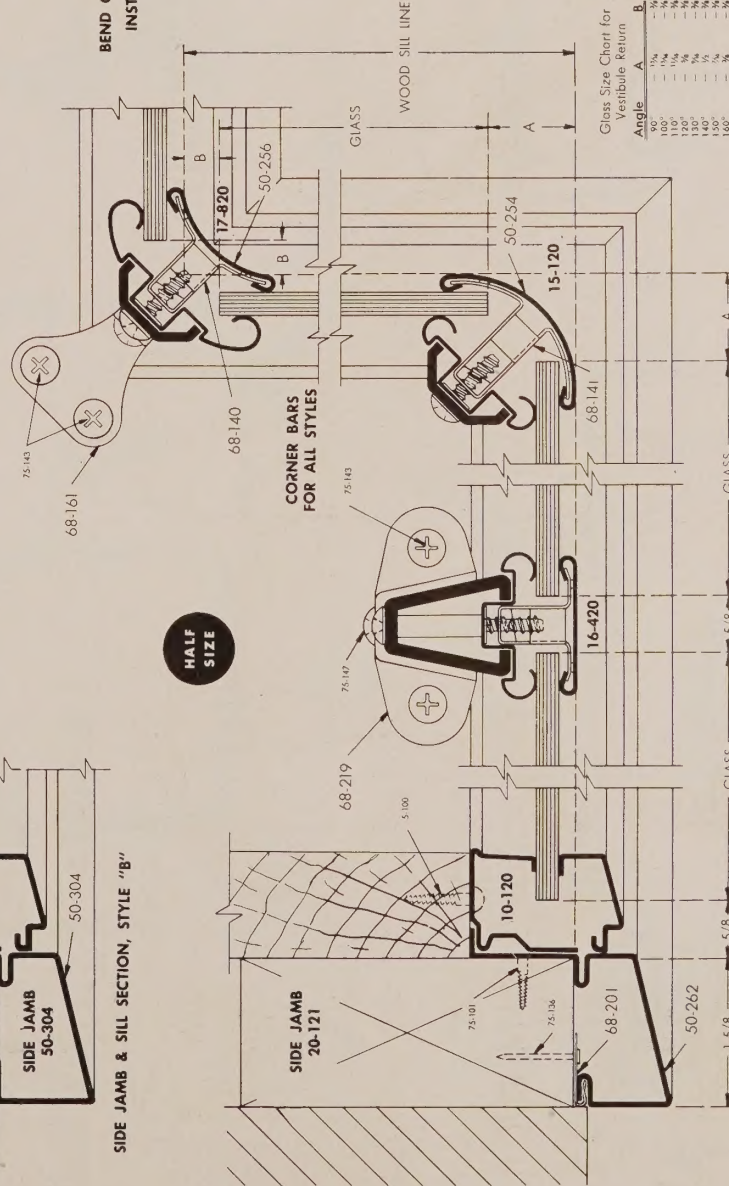
STORE FRONT DETAILS



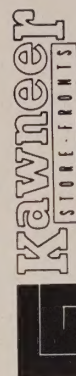
HEAD JAMB SECTION STYLE "B"

The face and back stiffener bar assemblies of universal angle type division bars, corner bars, and reverse corner bars, are interchangeable and can be purchased separately

	CORNER BARS	DIVISION BARS	REVERSE CORNER BARS	RECOMMENDED MAX. GLASS HEIGHT
ASSY. NO. FACE NO. BACK NO. ASSY. NO. FACE NO. BACK NO. ASSY. NO. FACE NO. BACK NO.				
LIGHT	15-120 15-1006 16-420 16-1003 68-267 17-820 17-1005 68-271 17-1005 68-272 17-1005 68-273 48"			
MEDIUM	15-121 15-1006 16-421 16-1003 68-268 17-821 17-1005 68-272 17-1005 68-273 17-1005 68-273 84"			
HEAVY	15-122 15-1006 16-422 16-1003 68-269 17-822 17-1005 68-273 17-1005 68-273 17-1005 68-273 108"			
HEAVY X	15-123 15-1006 16-423 16-1003 68-270 17-823 17-1005 68-274 17-1005 68-274 17-1005 68-274 144"			



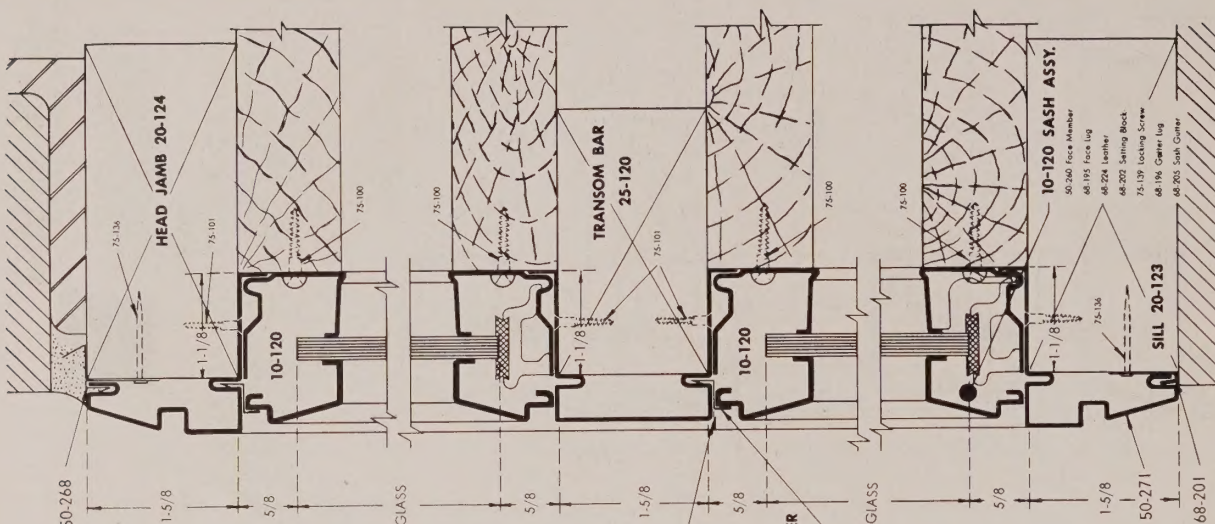
KAWNEER K-47 LINE



THE KAWNEER COMPANY, MILES, MICHIGAN
STYLES "C & D"

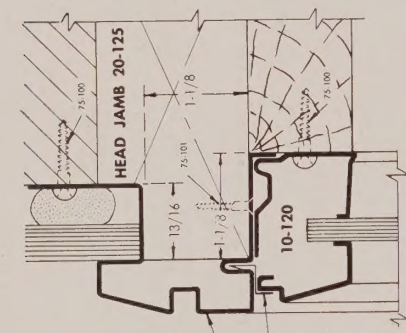
VERTICAL SECTION STYLE "C"

HALF
SIZE

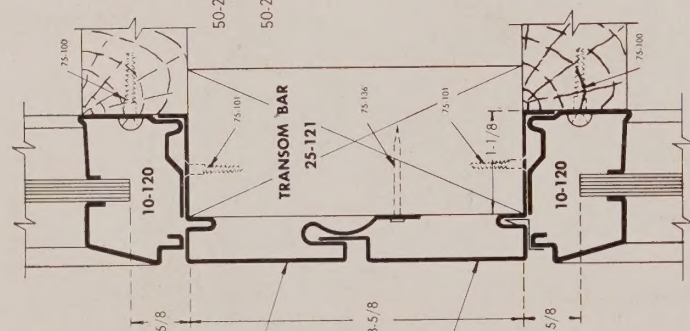


BEND OVER AFTER INSTALLATION

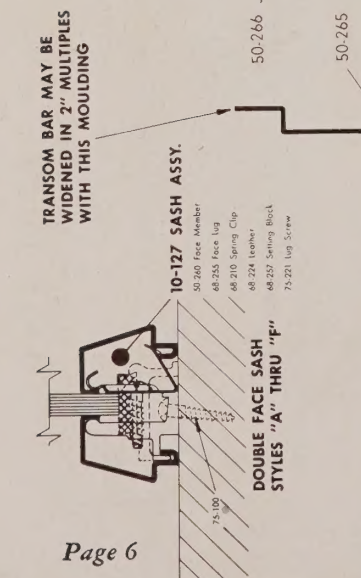
SEE PAGE 5 FOR DIVISION
BARS, CORNER BARS, AND
REVERSE CORNER BARS



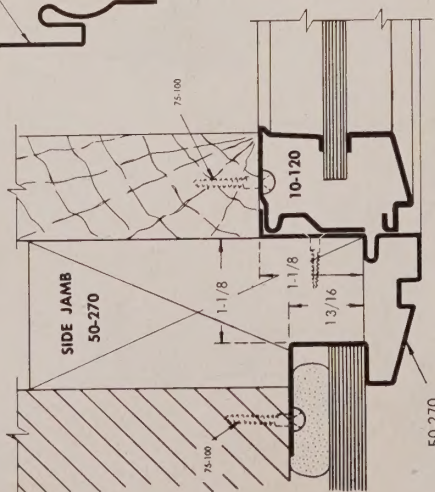
HEAD JAMB STYLE "D"



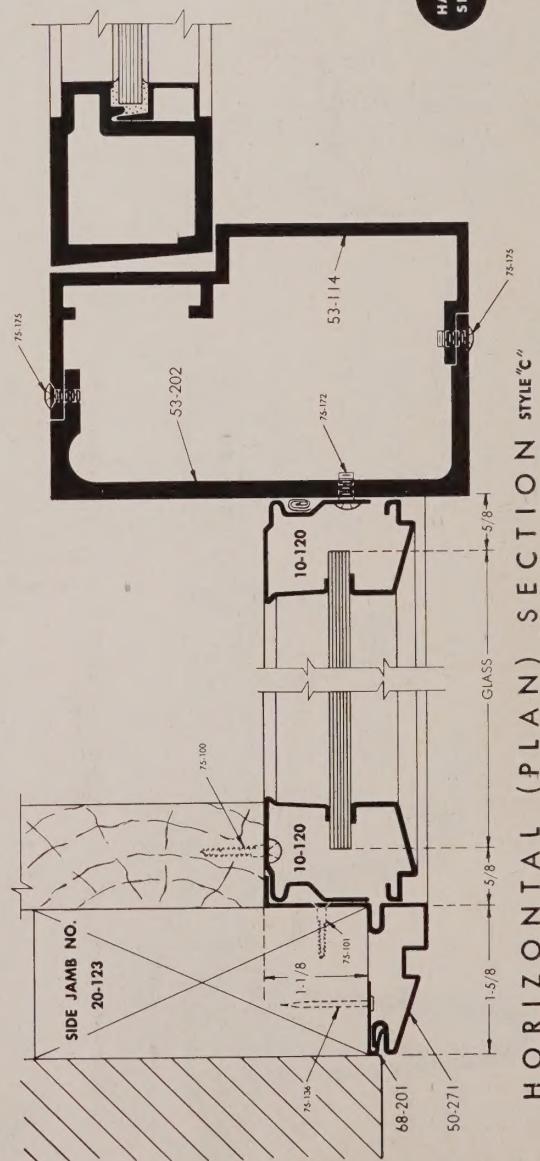
TRANSOM BAR STYLES "A" THRU "F"



DOUBLE FACE SASH

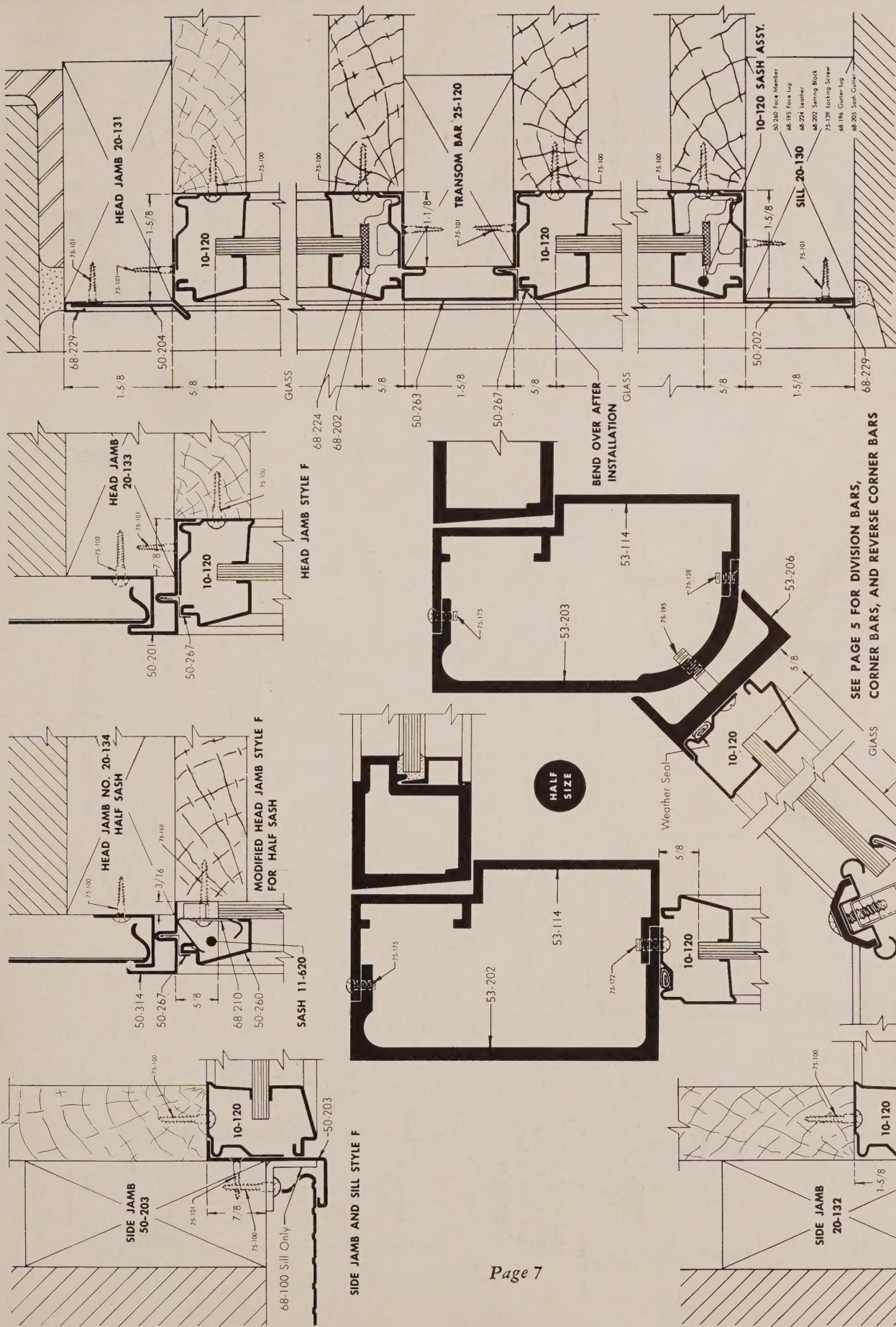


BRIDE JAMB & SILL SECTION. STYLE "D"



HORIZONTAL (PLAN) SECTION STYLE "C"

STORE FRONT DETAILS



VERTICAL SECTION STYLE E

Kawneer

THE KAWNEER COMPANY, NILES, MICHIGAN

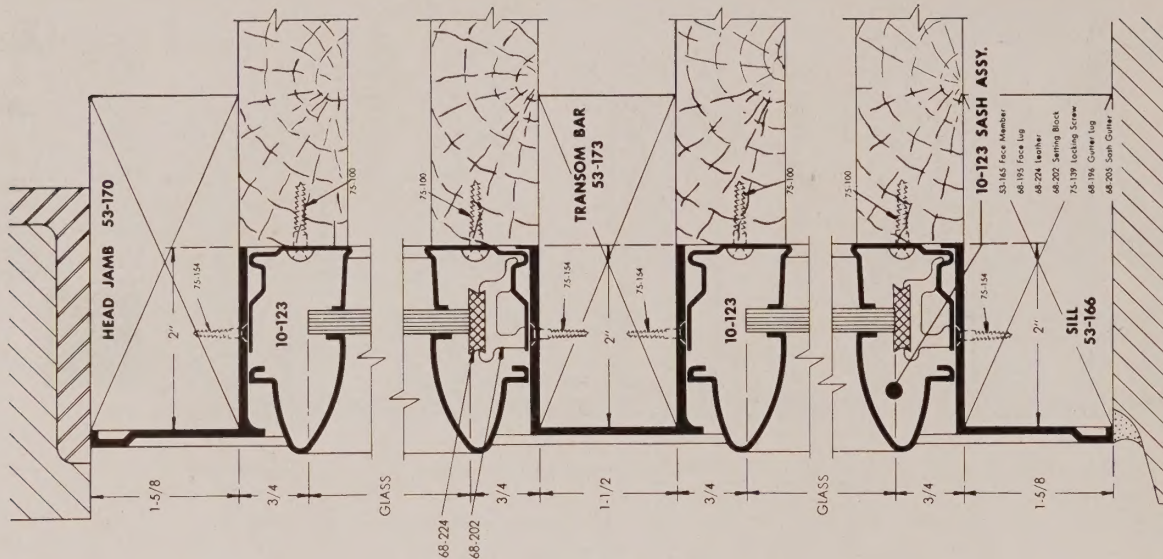
STYLES "E & F"

Angle	A	B
90°	1 3/4	+ 3/4
100°	1 1/2	+ 1/2
110°	1 1/4	+ 1/4
120°	1	0
130°	3/4	- 1/4
140°	1/2	- 1/2
150°	1/4	- 3/4
160°	0	- 1

SEE PAGE 5 FOR DIVISION BARS,
CORNER BARS, AND REVERSE CORNER BARS

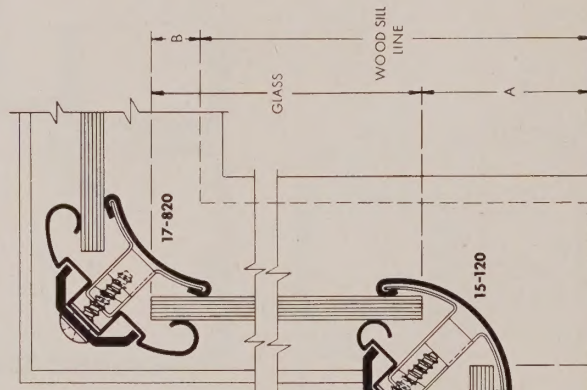
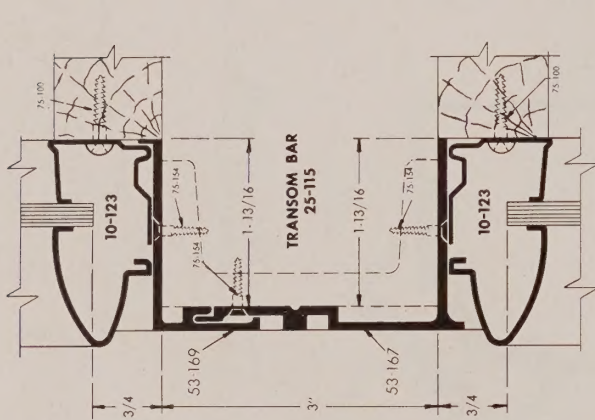
HORIZONTAL (PLAN) SECTION STYLE E

KAWNEER K-47 LINE



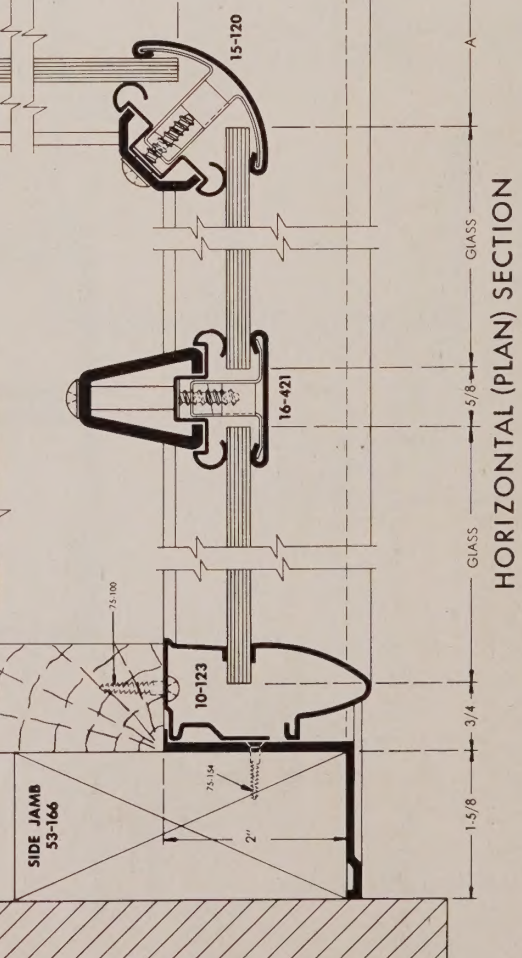
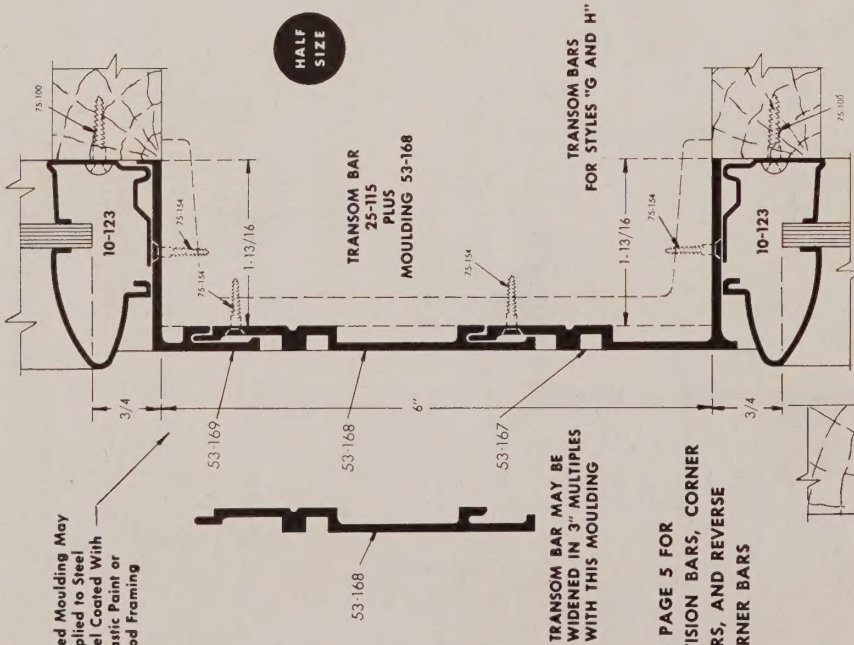
VERTICAL SECTION
Kawneer
STORE-FRONT

THE KAWNEER COMPANY, NILES, ILLINOIS
STYLE "G"



Glass Size Chart for
Ventilator Return

Angle	A	B
100°	-1 1/4"	+ 1/4"
110°	-1 1/4"	+ 1/4"
120°	-1 1/4"	+ 1/4"
130°	-1 1/4"	+ 1/4"
140°	-1 1/4"	+ 1/4"
150°	-1 1/4"	+ 1/4"
160°	-1 1/4"	+ 1/4"

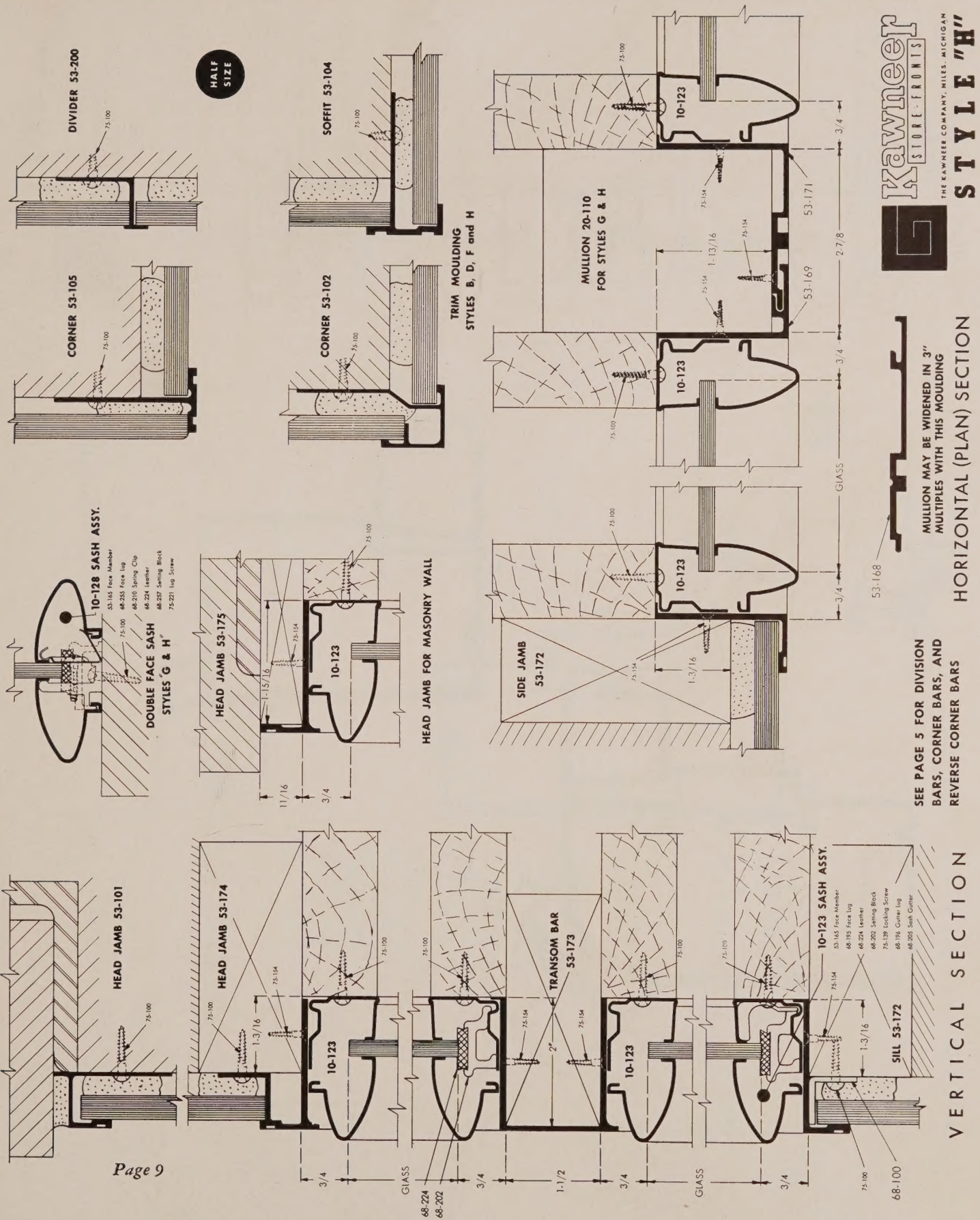


HORIZONTAL (PLAN) SECTION

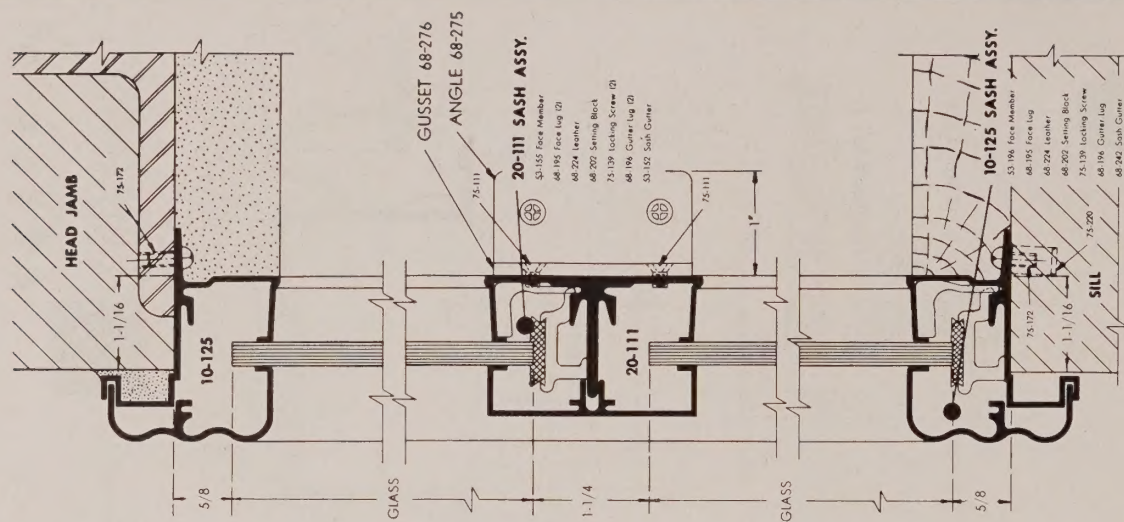
Extruded Moulding May
Be Applied to Steel
Channel Coated With
Bitumastic Paint or
to Wood Framing

SEE PAGE 5 FOR
DIVISION BARS, CORNER
BARS, AND REVERSE
CORNER BARS

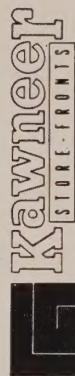
STORE FRONT DETAILS



KAWNEER K-47 LINE

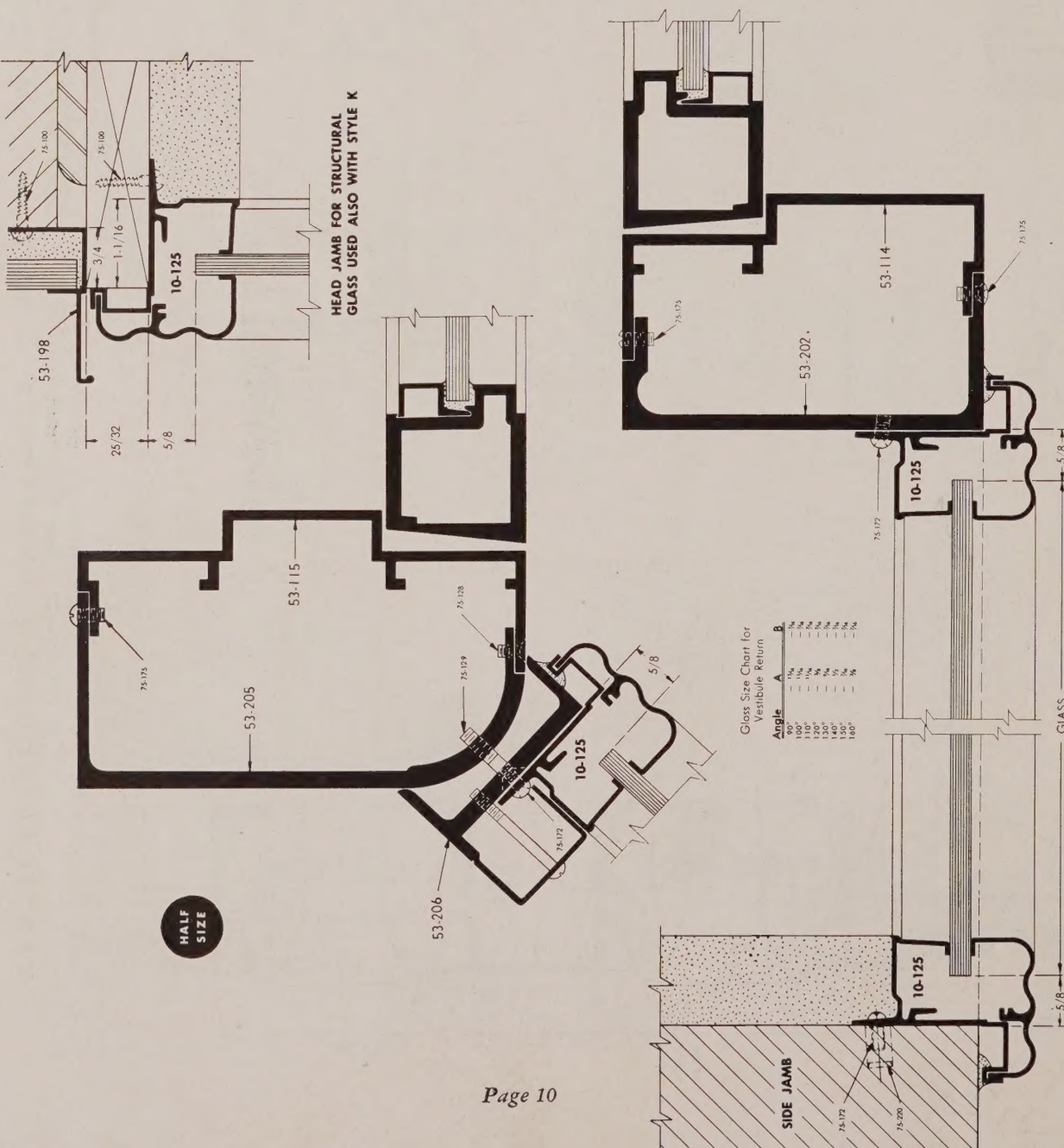


VERTICAL SECTION



THE KAWNEER COMPANY, NILES, MICHIGAN

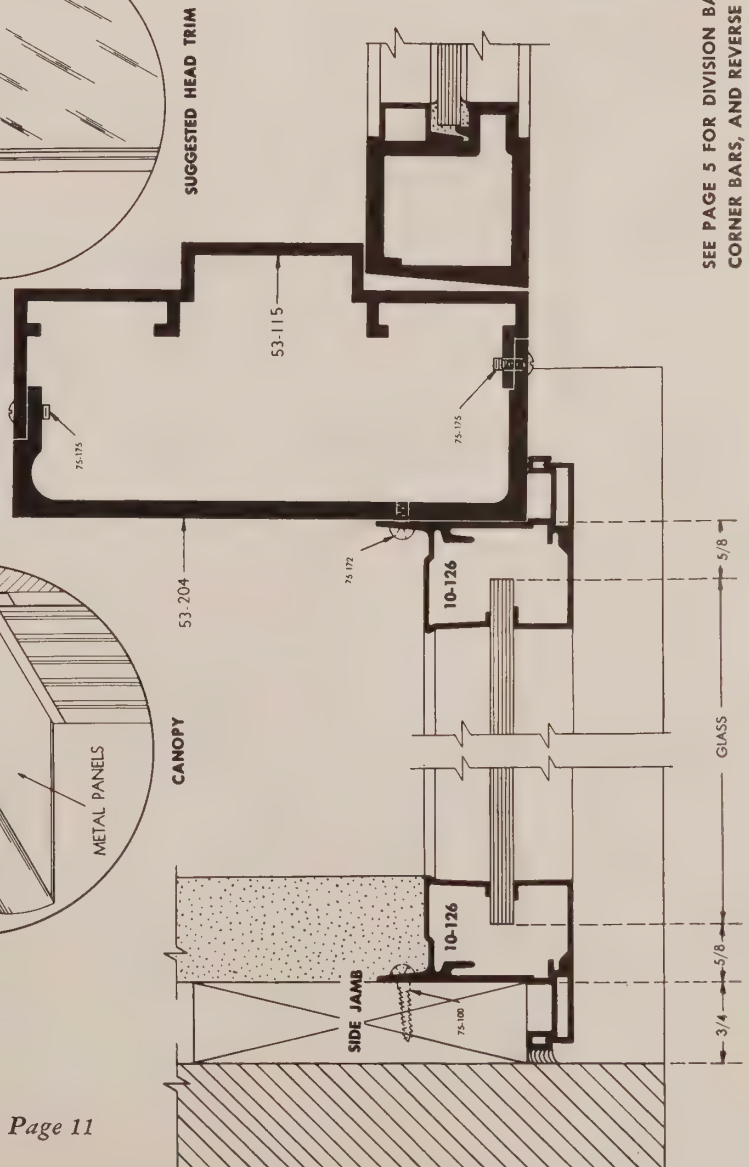
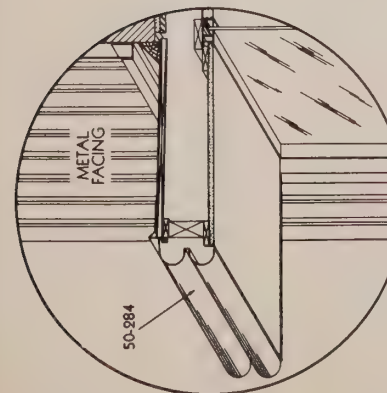
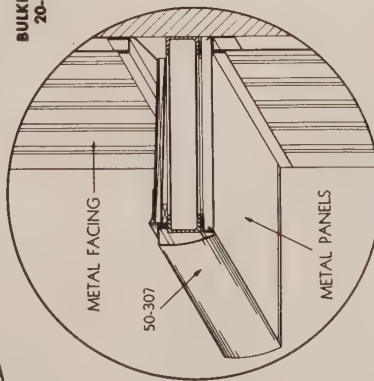
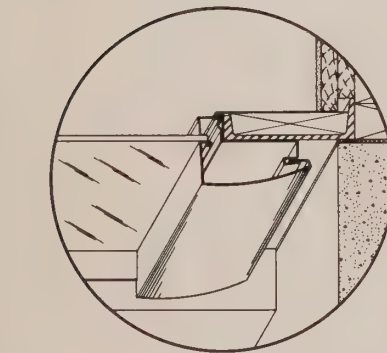
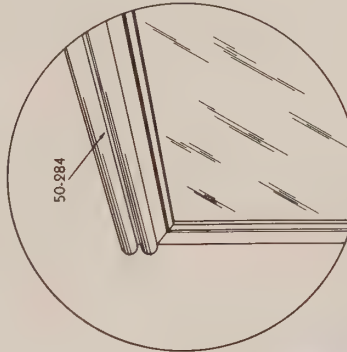
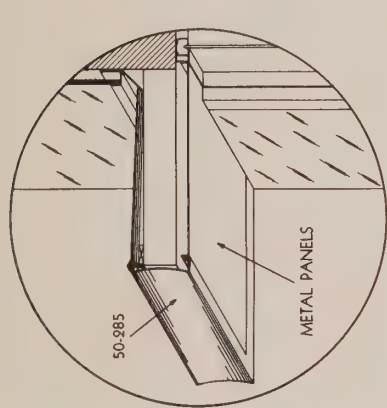
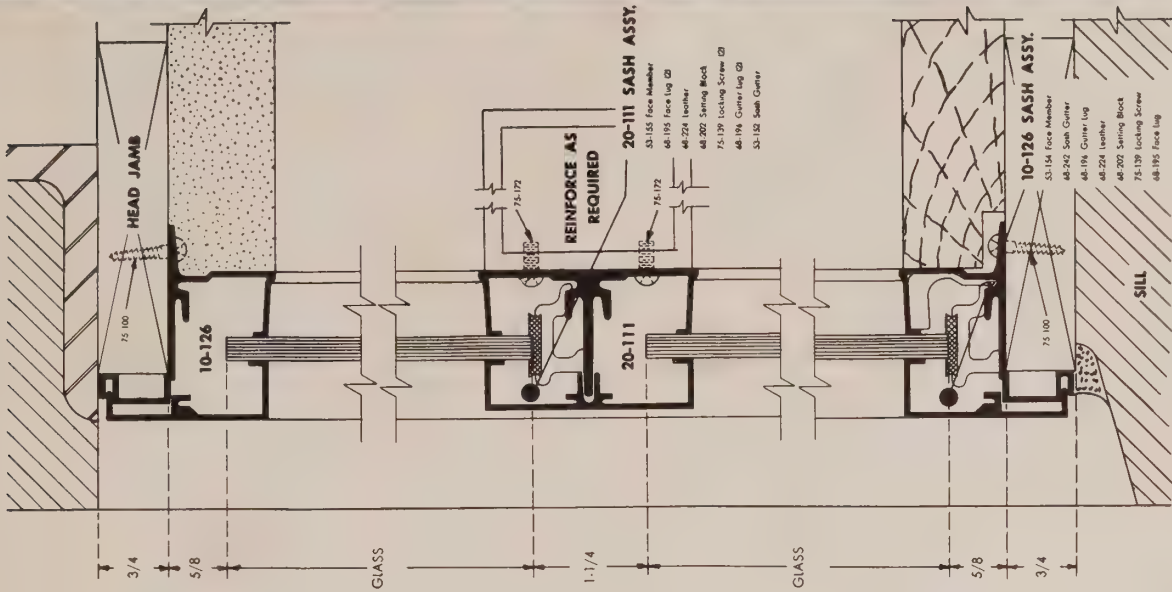
STYLE "J"



SEE PAGE 5 FOR DIVISION BARS,
CORNER BARS, AND REVERSE CORNER BARS

HORIZONTAL (PLAN) SECTION

STORE FRONT DETAILS

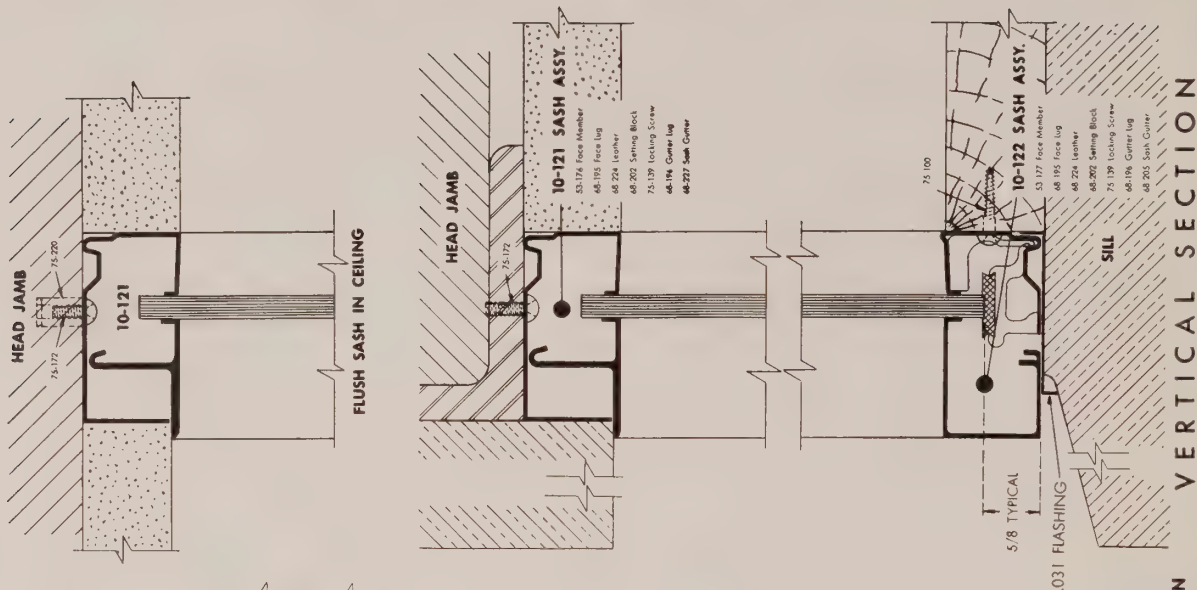


HALF
SIZE

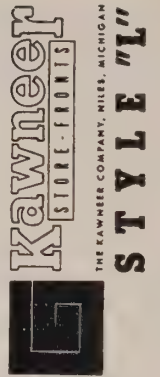
SEE PAGE 5 FOR DIVISION BARS,
CORNER BARS, AND REVERSE CORNER BARS

Kawneer
STORE FRONTS
THE KAWNEER COMPANY, MILLS, MICHIGAN
STYLE "K"

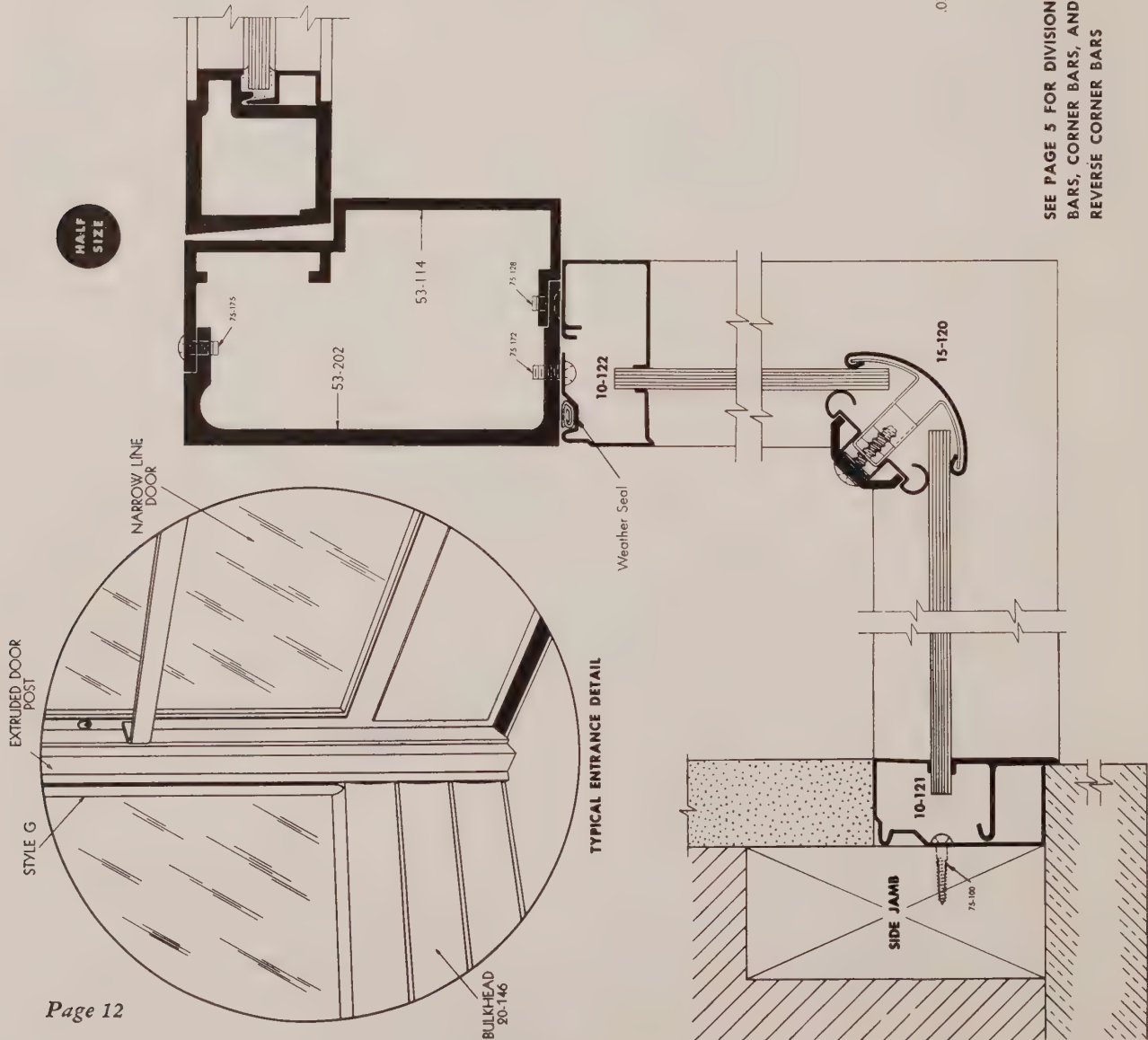
KAWNEER K-47 LINE



VERTICAL SECTION

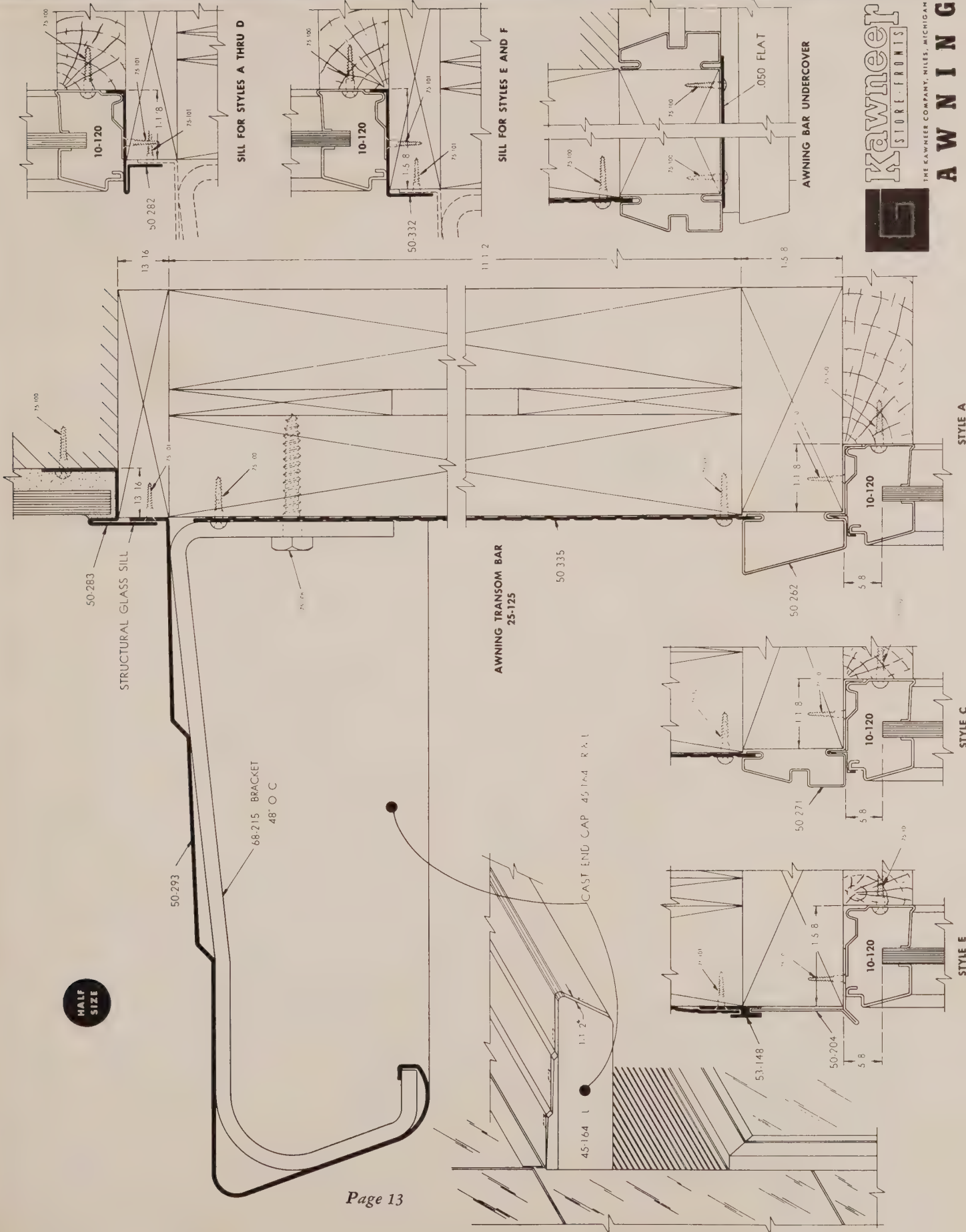


SEE PAGE 5 FOR DIVISION
BARS, CORNER BARS, AND
REVERSE CORNER BARS



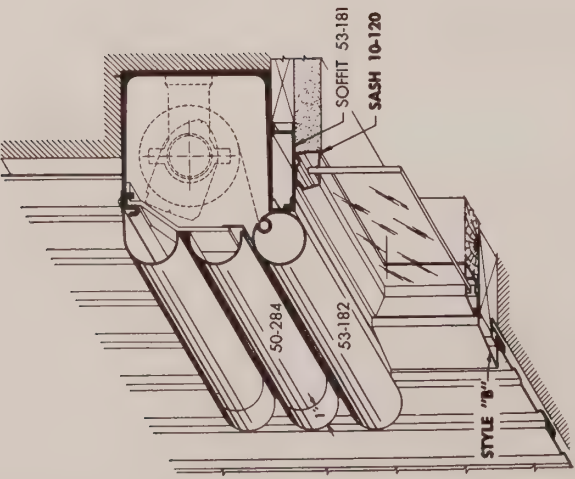
HORIZONTAL (PLAN) SECTION

STORE FRONT DETAILS

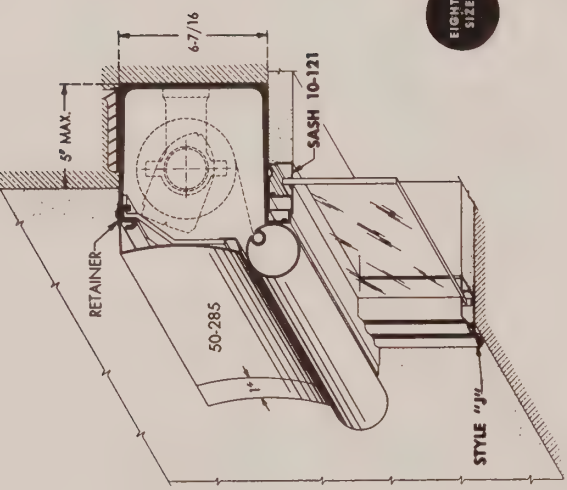


Kawneer
STORE-FRONT
THE KAWNEER COMPANY, NILES, MICHIGAN
AWNING

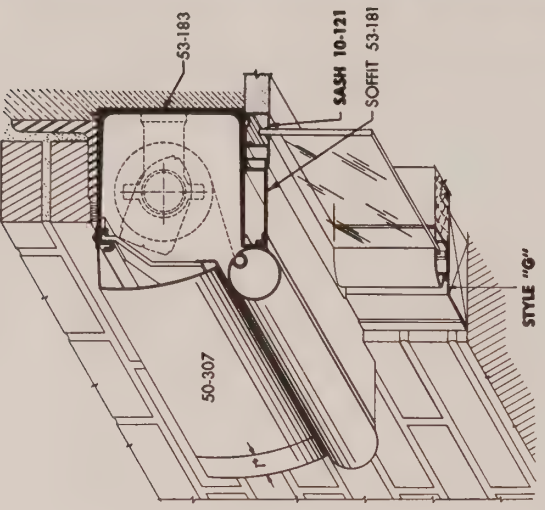
KAWNEER K-47 LINE



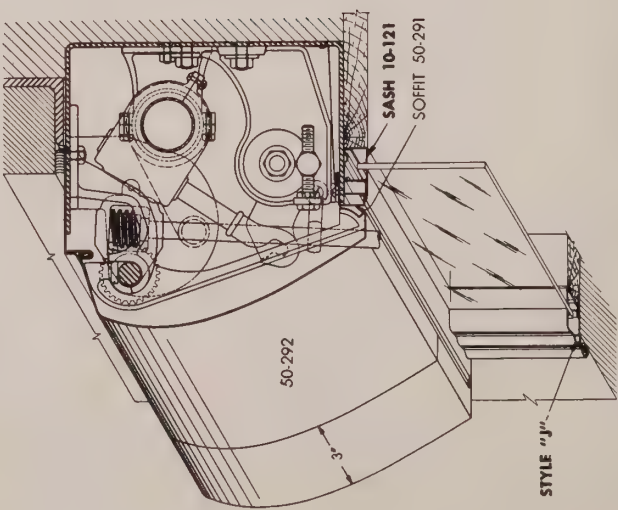
25-135 WITHOUT SOFFIT 25-136 WITH SOFFIT 53-181
RECESSED AWNING BAR



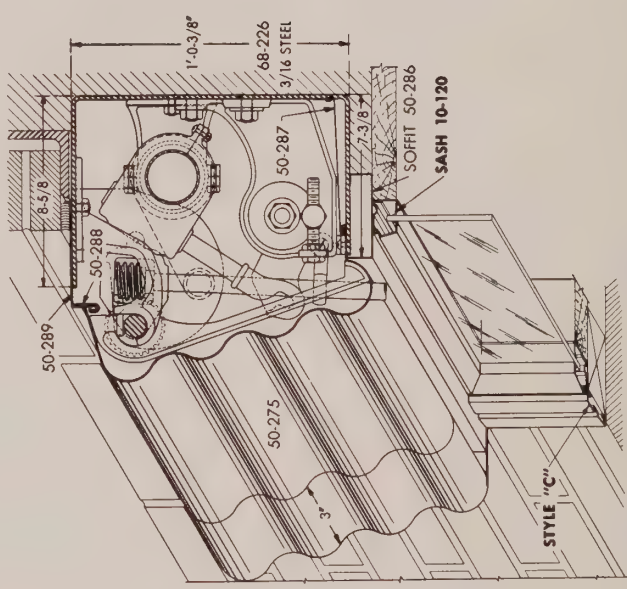
25-137 WITHOUT SOFFIT 25-138 WITH SOFFIT 53-181
RECESSED AWNING BAR



25-139 WITHOUT SOFFIT 25-140 WITH SOFFIT 53-181
RECESSED AWNING BAR



25-130 WITH SOFFIT 50-291 25-131 WITH SOFFIT 50-286
CONCEALED AWNING BAR

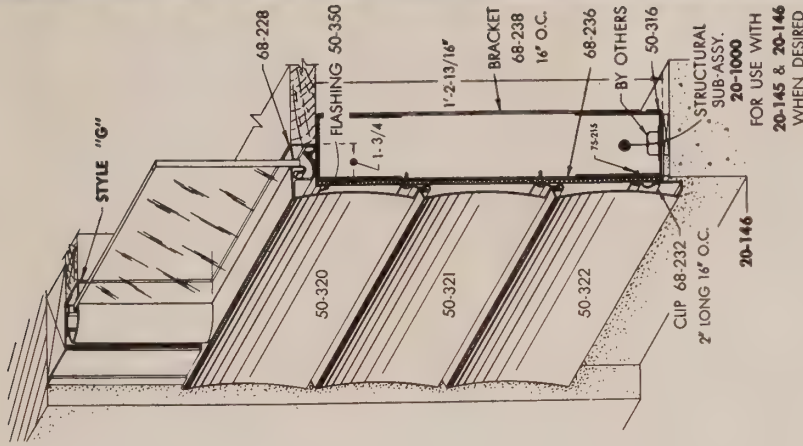


25-132 WITH SOFFIT 50-291 25-133 WITH SOFFIT 50-286
CONCEALED AWNING BAR

ALL AWNING BARS
DESIGNED FOR USE
WITH ANY K-47 LINE
STORE FRONT.

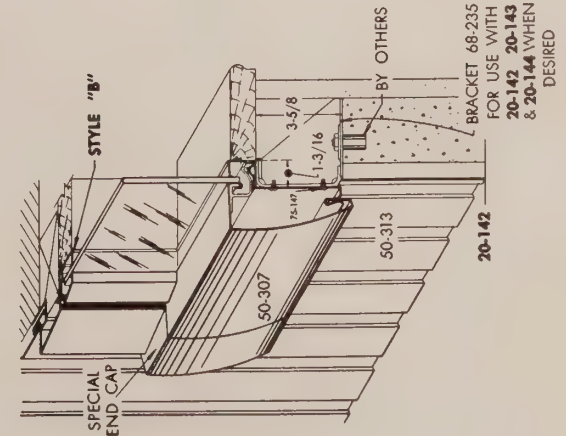
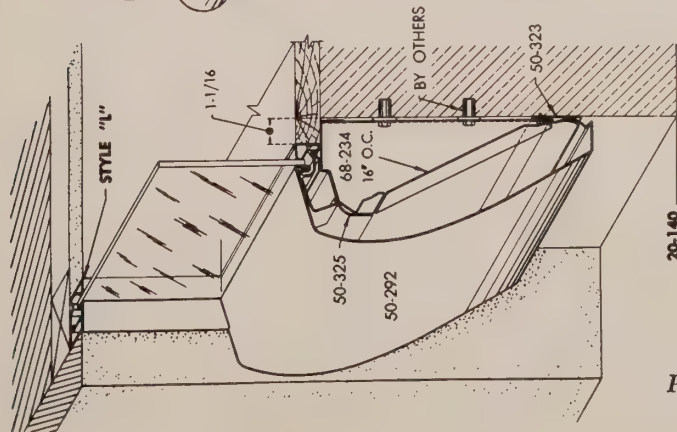
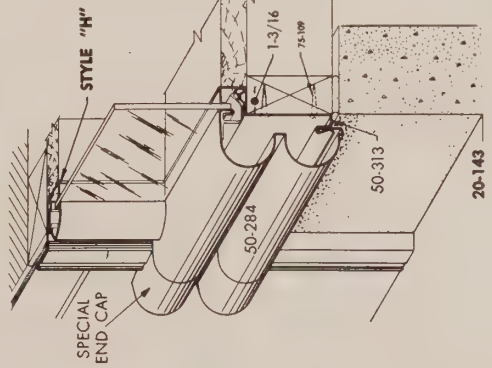
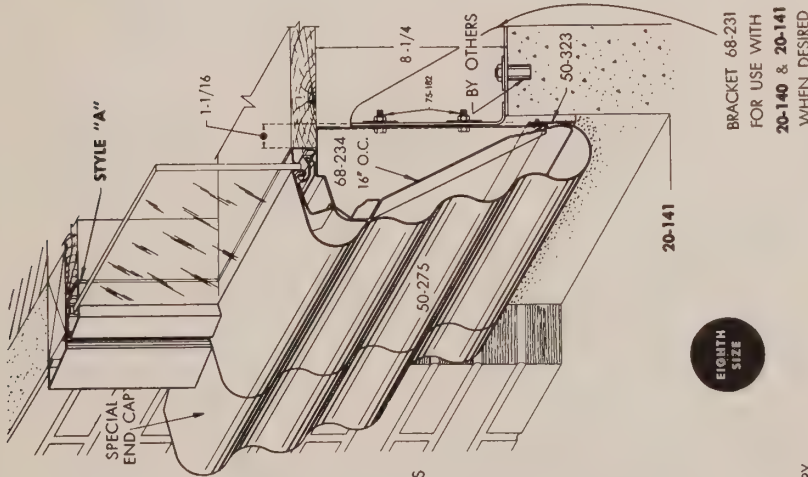
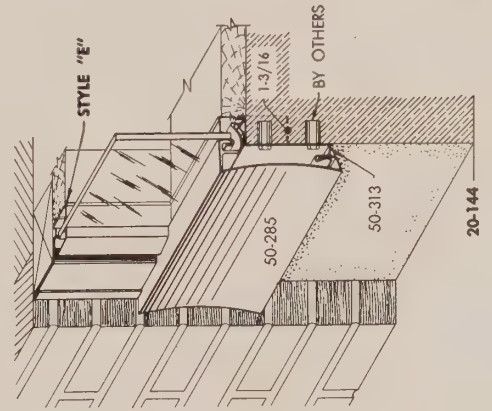
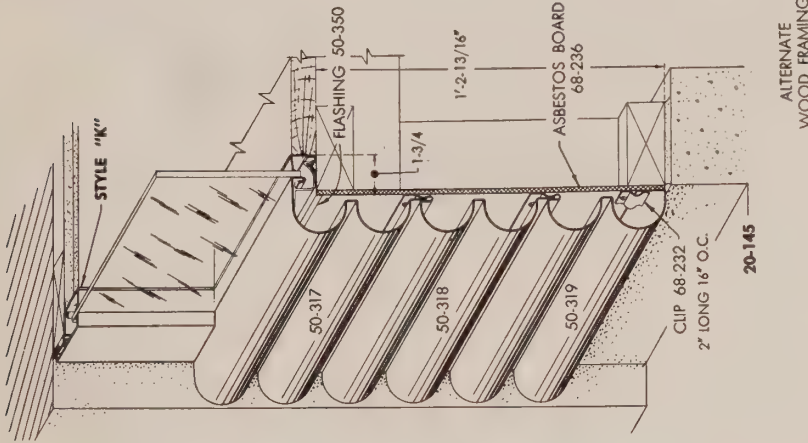
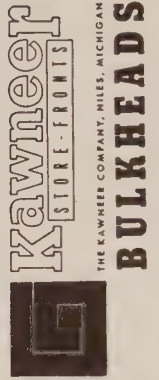
SEE PAGE 16 FOR
HALF SIZE DETAILS

STORE FRONT DETAILS

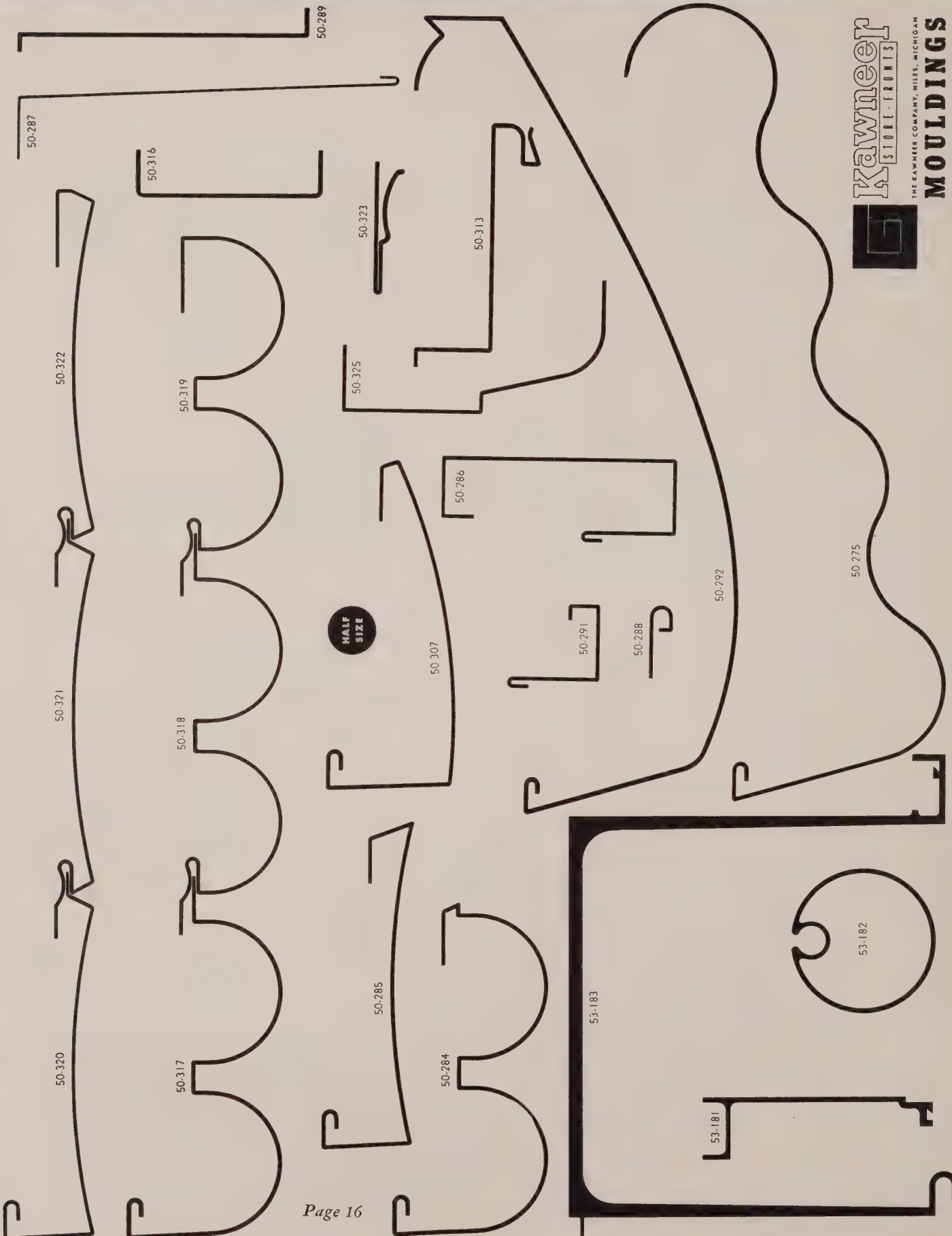


ALL BULKHEADS
DESIGNED FOR USE
WITH ANY K-47 LINE
STORE FRONT.

SEE PAGE 16 FOR
HALF SIZE DETAILS



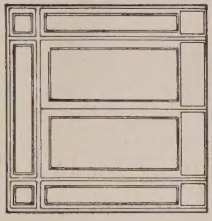
KAWNEER K-47 LINE



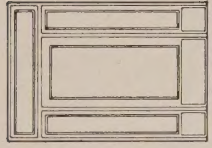
Kawneer
STORE-FRONTS
THE KAWNEER COMPANY, HILES, MICHIGAN
MOULDINGS

BULKHEAD AND AWNING BAR MOULDING HALF SIZE

KAWNEER ENTRANCE DOORS



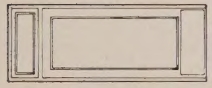
30-107 WITHOUT TRANS.
30-108 WITH TRANS.



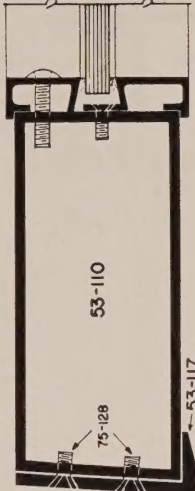
30-105 WITHOUT TRANS
30-106 WITH TRANS.



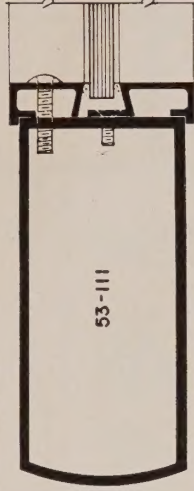
30-103 WITHOUT TRANS.
30-104 WITH TRANS.



30-101 WITHOUT TRANS.
30-102 WITH TRANS.



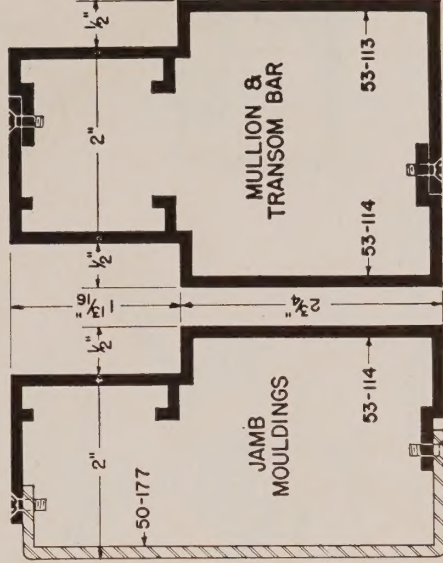
53-110



53-1118

53-117
STANDARD ASTRAGAL

STANDARD MEETING STILES



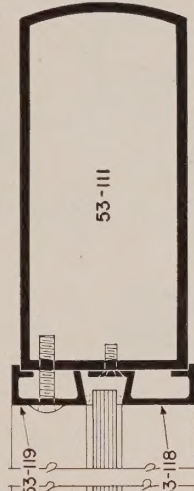
**MULLION &
TRANSOM BAR**

**JAMB
MOULDINGS**

HALF
SIZE

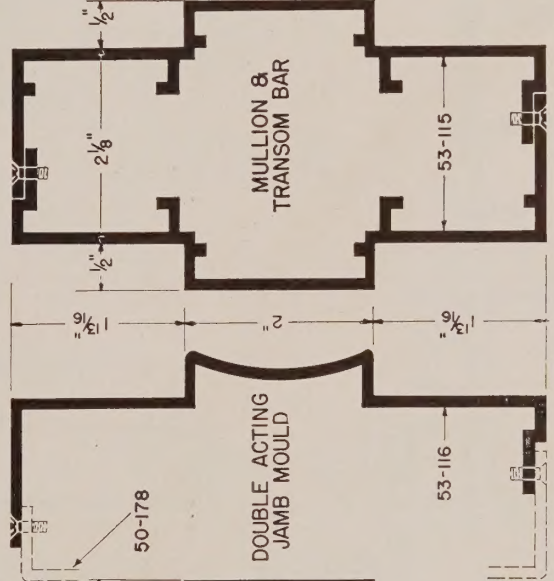


53-11



53-111

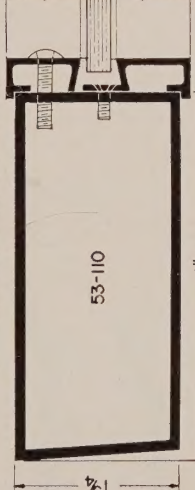
HORIZONTAL SECTION THRU DOORS



MULLION & TRANSOM BAR

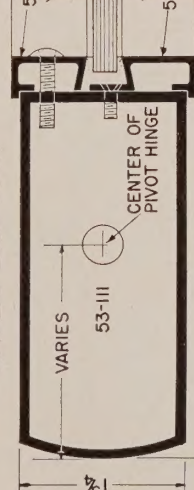
DOUBLE ACTING
JAMB MOULD

DOOR FRAME MOULDINGS



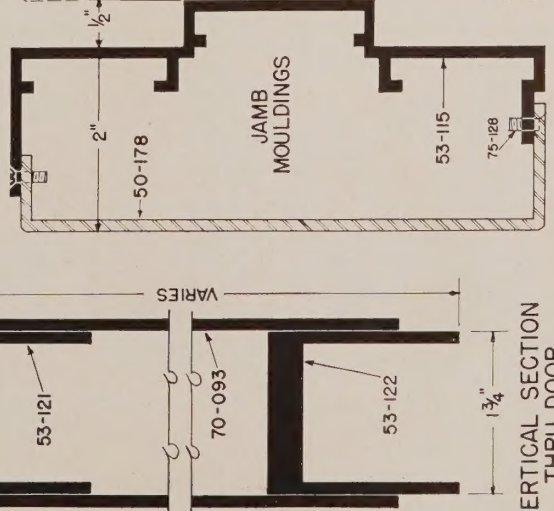
53-

BEVELED EDGE DOOR



—111—

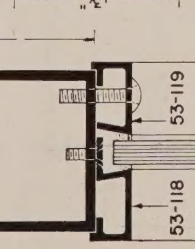
DOUBLE ACTING DOOR



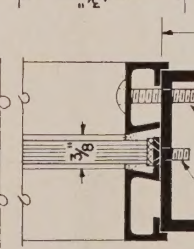
JAMB
MOULDINGS

VERTICAL SECTION
THRU DOOR

30-100 SINGLE ACTING DOOR ONLY - NO.53-110 TUBE
30-109 DOUBLE ACTING DOOR (I) ONLY NO.53-111 TUBE



五



10

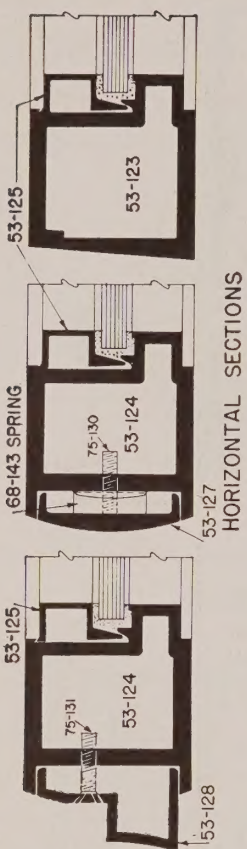
53-19

VARIES

53-

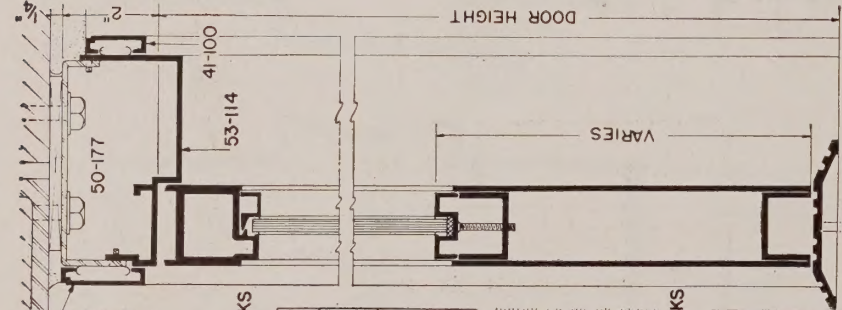
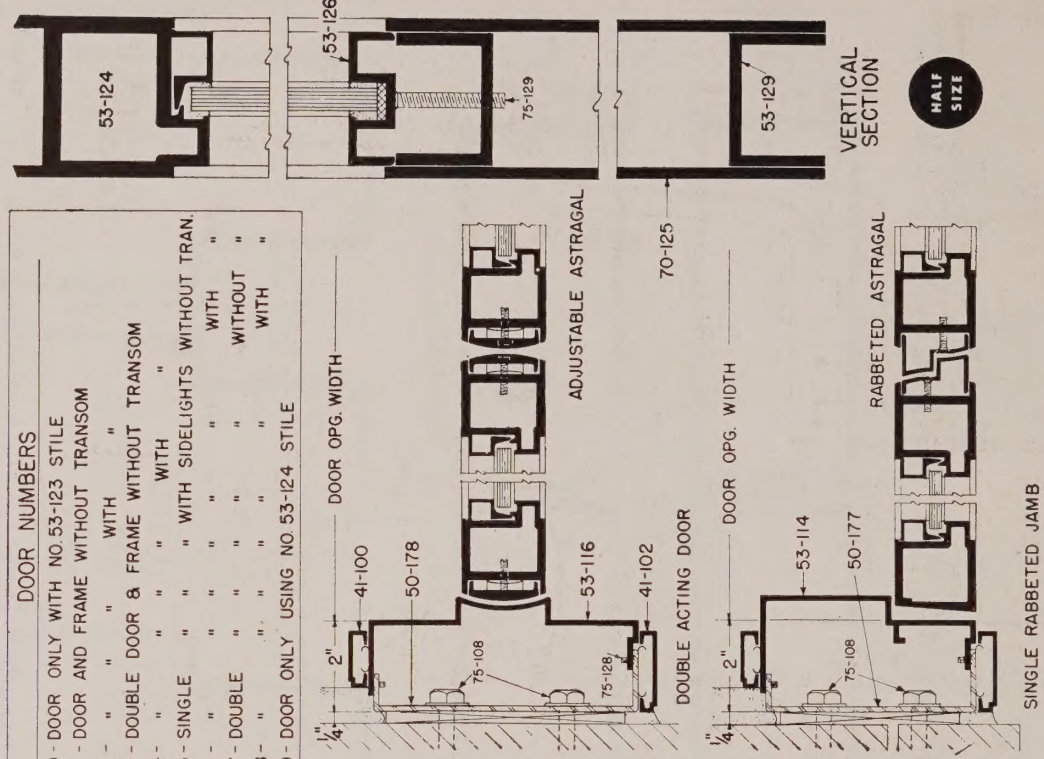
 $1\frac{3}{4}$ "

KAWNEER ENTRANCE DOORS

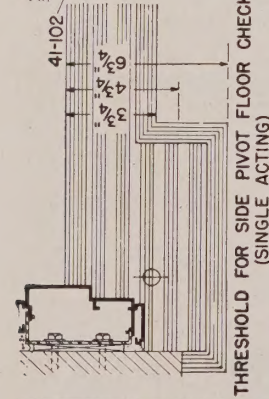


HORIZONTAL SECTIONS

DOOR NUMBERS	
30-110 - DOOR ONLY WITH NO 53-123 STILE	
30-111 - DOOR AND FRAME WITHOUT TRANSOM	
30-112 - " " WITH " "	
30-113 - DOUBLE DOOR & FRAME WITHOUT TRANSOM	
30-114 - " " WITH " "	
30-115 - SINGLE " " WITH SIDELIGHTS WITHOUT TRAN.	
30-116 - " " WITH " "	
30-117 - DOUBLE " " WITHOUT " "	
30-118 - " " WITH " "	
30-119 - DOOR ONLY USING NO 53-124 STILE	

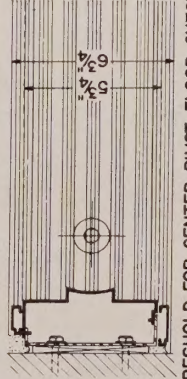


VERTICAL SECTION



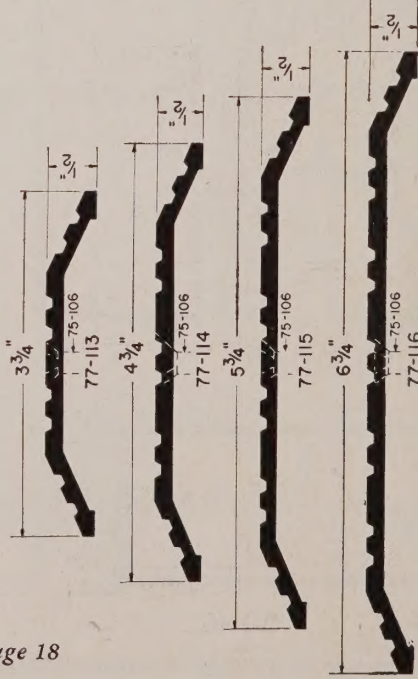
THRESHOLD FOR SIDE PIVOT FLOOR CHECKS (SINGLE ACTING)

FLOOR CHECK NO.	DOOR SIZE	THRESHOLD NO.
77-101	FOR DOORS TO 2'-10" x 7'-0"	77-113
77-102	FOR DOORS 3'-0" x 7'-0" & OVER	77-114 OR 77-115
USE INTERMEDIATE PIVOT HINGE NO. 77-107 FOR DOORS OVER 7'-0" HIGH		



THRESHOLD FOR CENTER PIVOT FLOOR CHECKS (SINGLE ACTING)

77-103	FOR DOORS TO 2'-10" x 7'-0"	77-115 OR 77-116
77-104	FOR DOORS TO 3'-0" x 7'-0" & OVER (DOUBLE ACTING)	
77-105	FOR DOORS TO 2'-10" x 7'-0"	77-115 OR 77-116
77-106	FOR DOORS 3'-0" x 7'-0" & OVER	

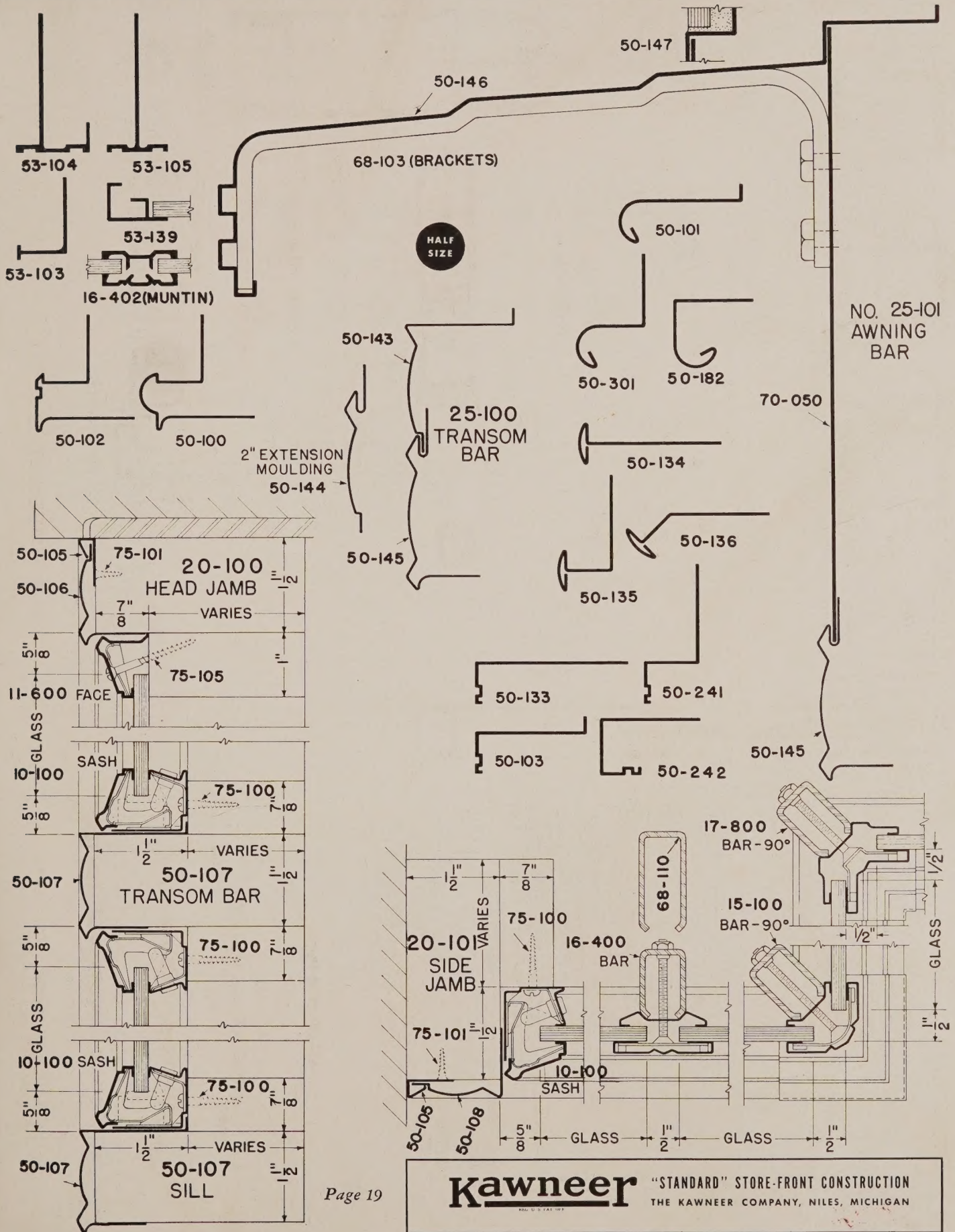


THRESHOLD & FLOOR CHECK DETAILS
FURNISHED ONLY WITH RIXON HINGES

DOOR & FRAME DETAILS

DETAIL OF FLOOR CHECK

KAWNEER STANDARD LINE



Kawneer

SALES-BUILDING

STORE-FRONTS

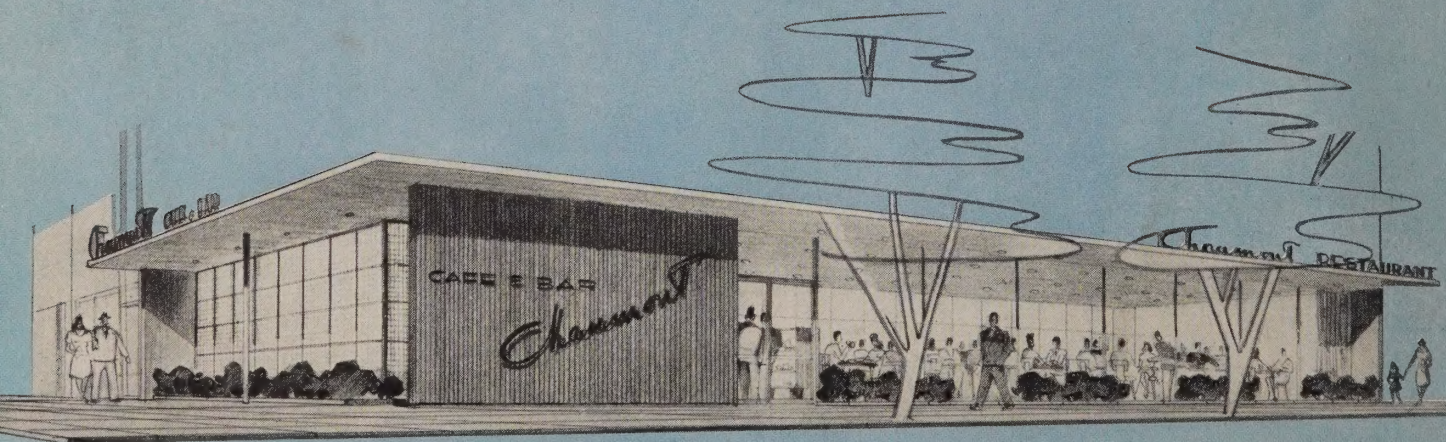
The architectural and construction features of Kawneer store-front metals reflect the advantages of forty-five years of specialized manufacturing. This valuable experience is continually supplemented by the efforts of expertly manned design, product development, and engineering staffs to bring you—now and in the future—store-front metals that fully meet your needs.

Kawneer products are available everywhere. They are stocked and distributed on a nation-wide basis by a large group of aggressive distributors.

The Kawneer representative near you is always available to give you helpful assistance in your store-front work. He will keep you acquainted with new Kawneer products and design suggestions that will help you simplify your work.

A card will bring you complete information on how Kawneer experience and products can make your store-front work more profitable.

WRITE FOR FULL-SIZE CONSTRUCTION
DETAILS OF THE NEW K-47 LINE



THE KAWNEER COMPANY • 807 FRONT ST. • NILES, MICHIGAN